

118700

From: Kaushal, Sumesh
Sent: Monday, April 05, 2004 1:39 PM
To: STIC-Biotech/ChemLib
Subject: 09613486: Interference and Sequence search

09/613,486: Interference and Sequence search

Please Search

- SEQ ID NO:14 DNA 597 nt long
- SEQ ID NO:15 PRT 198 aa long
- Search amino acid of SEQ ID NO:15 against DNA database

thanks

S. Kaushal

AU1636, REM2.B85

Ph: 571-27-20769

Mail Box: REM2.C70

- Interference search files removed - 4/13/04 SK

Searcher: _____
Phone: _____
Location: _____
Date Picked Up: _____
Date Completed: _____
Searcher Prep/Review: _____
Clerical: _____
Online time: _____

TYPE OF SEARCH:
NA Sequences: _____
AA Sequences: _____
Structures: _____
Bibliographic: _____
Litigation: _____
Full text: _____
Patent Family: _____
Other: _____

VENDOR/COST (where applicable)
STN: _____
DIALOG: _____
Questel/Orbit: _____
DRLink: _____
Lexis/Nexis: _____
Sequence Sys.: _____
WWW/Internet: _____
Other (specify): _____

L Number	Hits	Search Text	DB	Time stamp
3	11514	Agrobacterium	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/13 14:53
5	7553	Agrobacterium NEAR (vitis or tumefaciens)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/13 14:53
6	681	(Agrobacterium NEAR (vitis or tumefaciens)) and grape	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/13 14:53
7	312	Agrobacterium NEAR (vitis or tumefaciens).clm.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/13 14:53
1	2	HAI ADJ YING NEAR zhu	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/13 14:53
2	16	Grapevine ADJ leafroll ADJ virus	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/13 14:53
4	9	(Grapevine ADJ leafroll ADJ virus) and Agrobacterium	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/13 14:53
8	40	(Agrobacterium NEAR (vitis or tumefaciens).clm.) and grape	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/13 14:53
9	138	(Agrobacterium NEAR (vitis or tumefaciens).clm.) and (host ADJ cell)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/04/13 14:53
10	6	(US-5907085-\$ or US-6558953-\$ or US-6638720-\$ or US-5459252-\$ or US-5648477-\$ or US-5668298-\$ or US-6197948-\$).did. or (US-20030198942-\$).did. or (WO-9853055-\$ or WO-9722700-\$ or WO-9955880-\$).did. or (WO-200105957-\$).did.	USPAT; US-PGPUB; EPO; DERWENT	2004/04/13 14:53
11	12	(US-5648477-\$ or US-5668298-\$ or US-5459252-\$ or US-6197948-\$ or US-6638720-\$ or US-6558953-\$ or US-5907085-\$).did. or (US-20030198942-\$).did. or (WO-9853055-\$ or WO-9722700-\$ or WO-9955880-\$).did. or (WO-200105957-\$).did.	USPAT; US-PGPUB; EPO; DERWENT	2004/04/13 14:53

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(FILE 'HOME' ENTERED AT 14:55:36 ON 13 APR 2004)

FILE 'MEDLINE, AGRICOLA, CANCERLIT, SCISEARCH, CAPLUS, MEDICONF' ENTERED
AT 14:55:44 ON 13 APR 2004

L1 241 S GRAPEVINE (L) LEAFROLL (L) VIRUS
L2 65 S L1 AND (COAT PROTEIN)
L3 37 DUP REM L2 (28 DUPLICATES REMOVED)
L4 14 S L3 AND PY<=1997
L5 14 SORT L4 PY

=> d an ti so au ab pi 15 10 13 14

L5 ANSWER 10 OF 14 MEDLINE on STN
AN 97372946 MEDLINE
TI The **coat protein** gene of grapevine leafroll associated
closterovirus-3: cloning, nucleotide sequencing and expression in
transgenic plants.
SO Archives of virology, (1997) 142 (6) 1101-16.
Journal code: 7506870. ISSN: 0304-8608.
AU Ling K S; Zhu H Y; Alvizo H; Hu J S; Drong R F; Slightom J L; Gonsalves D
AB A lambda ZAP II cDNA library was constructed by cloning cDNA prepared from
a high molecular weight double-stranded RNA (dsRNA, ca. 18 kb) isolated
from **grapevine leafroll** associated closterovirus-3
(GLRaV-3) infected tissues. This cDNA library was immuno-screened with
GLRaV-3 **coat protein** specific polyclonal and
monoclonal antibodies and three immuno-positive clones were identified.
Analysis of nucleotide sequences from these clones revealed an open
reading frame (ORF) which was truncated at the 3' end; the remainder of
this ORF was obtained by sequencing a fourth clone that overlapped with
one of the immunopositive clones. A total of 2028 bp was sequenced. The
putative GLRaV-3 **coat protein** ORF, 939 bp, encodes a
protein (referred to as p35) with a calculated M(r) of 34866. Multiple
alignment of the p35 amino acid sequence with **coat**
protein sequences from other closteroviruses revealed that the
consensus amino acid residues (R and D) of filamentous plant
viruses are preserved in the expected locations. The GLRaV-3
coat protein gene was then engineered for sense and
antisense expression in transgenic plants. Transgenic Nicotiana
benthamiana plants that contain the sense GLRaV-3 **coat**
protein gene produced a 35 kDa protein that reacted with GLRaV-3
antibody in Western blot.

L5 ANSWER 13 OF 14 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1997:501512 CAPLUS
DN 127:131978
TI **Grapevine leafroll virus** proteins and uses
in producing transgenic **virus**-resistant grape or citrus plants
SO PCT Int. Appl., 171 pp.
CODEN: PIXXD2
IN Gonsalves, Dennis; Ling, Kai-Shu
AB The present invention relates to an isolated protein or polypeptide
corresponding to a **coat protein** or other polypeptide
of a **grapevine leafroll virus**. The encoding
DNA mol. either alone in isolated form or in an expression system, a host
cell, or a transgenic grape plan is also disclosed. Another aspect of the
present invention relates to a method of imparting **grapevine**
leafroll resistance to grape plants by transforming them with the
DNA mol. of the present invention. A method for imparting tristeza
virus resistance in citrus plants using the DNA mol. of the
present invention is also disclosed.

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9722700	A2	19970626	WO 1996-US20747 19961220 <--
	WO 9722700	A3	19971211	
	W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC,			

LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT,
 RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, UZ, VN, AM,
 AZ, BY, KG, KZ, MD, RU, TJ, TM
 RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR,
 IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML,
 MR, NE, SN, TD, TG
 ZA 9610721 A 19980619 ZA 1996-10721 19961219
 CA 2242402 AA 19970626 CA 1996-2242402 19961220 <--
 AU 9716889 A1 19970714 AU 1997-16889 19961220 <--
 AU 727208 B2 20001207
 EP 896624 A2 19990217 EP 1996-945666 19961220
 R: AT, CH, DE, ES, FR, IT, LI, PT, SI
 US 6558953 B1 20030506 US 2000-579259 20000525
 US 6638720 B1 20031028 US 2000-650324 20000829
 US 2003198942 A1 20031023 US 2001-39112 20011231

LS ANSWER 14 OF 14 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 1997:335128 CAPLUS
 DN 126:303462
 TI Antibodies and proteins useful for assaying virus infection in grape
 plants
 SO Eur. Pat. Appl., 14 pp.
 CODEN: EPXXDW
 IN Monis, Judit; Bestwick, Richard K.
 AB An approx. 37 kDa (kd) protein associated with **grapevine**
leafroll disease infected plants is disclosed. The 37 kDa protein
 is the **coat protein** for a **grapevine**
leafroll-associated **virus** designated GLRaV-8. The
grapevine virus-encoded 37 kDa polypeptide is immunol.
 distinct from the approx. 36 kDa proteins associated with GLRaV-4 or GLRaV-5
 or the approx. 38 kDa protein associated with GLRaV-1. The invention further
 provides a substantially pure antibody directed against the 37 kDa
virus-associated protein, a stable cell line capable of producing
 such a monoclonal antibody, and a method for assaying for a **virus**
 infection in *Vitis* species. The method involves detecting the presence of
 a 37 kDa polypeptide encoded by an RNA-containing plant **virus** using
 an antibody that does not react with a virally encoded polypeptide of
 .aprx.38 kDa.
 PATENT NO. KIND DATE APPLICATION NO. DATE
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 PI EP 769696 A2 19970423 EP 1996-306866 19960920 <--
 EP 769696 A3 19980805
 R: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LI, LU, MC, NL,
 PT, SE
 US 5965355 A 19991012 US 1996-708591 19960905

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